

VEN4000B

Quick-Opening Gas Solenoid Valve

The VEN4000B is used for ON/OFF or safety shutoff control of a gas burner, for city gas, natural gas or LP gas. It is available with flow rate and quick-opening speed adjustment.

Noiseless operation is achieved by employing a DC-energized solenoid with a built-in rectifier.



Specifications

Applicable gas	City gas, natural gas, LP gas
Valve opening time	1s or less
Valve closing time	1s or less
Full flow rate adjustment	20 to 100% of maximum flow rate
Material	Aluminum alloy
Strainer	Built-in strainer
Protective structure	IP65
Ambient temperature	-15 to +60°C
Mounting position	Axis of solenoid coil within ±90° from vertical plane
Conduit connection	CTC19 JIS conduit tube thread
Approval	EN161 Class A, Group 2

Accessories (sold separately)

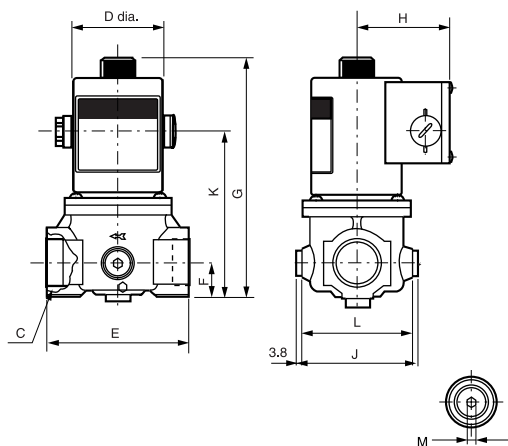
Part No.	Description
MS052501	Valve close position switch for VEN4020B and VEN4025B
MS054001	Valve close position switch for VEN4032B and VEN4040B
MS055001	Valve close position switch for VEN4050B
MS058001	Valve close position switch for VEN4065B and VEN4080B
81446362-001	Power supply lamp for 100Vac
81446362-002	Power supply lamp for 200Vac

Selection Guide

Model No.	Piping connec- tion (Rp)	Flow rate (m³/h): differ- ential pressure 250Pa		Cv value	Maximum operating pressure (kPa)	Power (Vac) 50/60Hz	Power consump- tion (VA)	Mass (kg)
		Specific gravity 0.65	Specific gravity 1.53					
VEN4010B1100	3/8"	6.8	4.4	4.6	35	100	15	1.1
VEN4010B1200						200	16	
VEN4015B1100	1/2"	7.6	4.9	5.2		100	15	
VEN4015B1200						200	16	
VEN4020B1100	3/4"	18.6	12.0	12.8	20	100	16	1.9
VEN4020B1200						200	20	
VEN4025B1100	1"	21.8	14.1	14.9		100	16	2.0
VEN4025B1200						200	20	
VEN4032B1100	1 1/4"	43.5	28.1	29.8		100	44	5.9
VEN4032B1200						200	48	
VEN4040B1100	1 1/2"	53.6	34.7	36.7		100	44	5.8
VEN4040B1200						200	48	
VEN4050B1100	2"	74.9	48.4	51.3		100	45	6.4
VEN4050B1200						200	56	
VEN4065B1100	2 1/2"	113	73.0	77.4		100	55	14.7
VEN4065B1200						200	60	
VEN4080B1100	3"	149	97	100		100	115	16.8
VEN4080B1200						200	130	

Dimensions

(Unit: mm)



Model No.	C (Pipe connection)	D	E	F	G	H	J	K	L	M
VEN4010B1100	Rp 3/8"	55	72	15	121	60	52	75.5	30	3
VEN4010B1200		55	72	15	121	60	52	75.5	30	
VEN4015B1100	Rp 1/2"	55	72	15	121	60	52	75.5	30	
VEN4015B1200		55	72	15	121	60	52	75.5	30	
VEN4020B1100	Rp 3/4"	63	86.5	24	165	64	71	116.5	45	
VEN4020B1200		63	86.5	24	165	64	71	116.5	45	
VEN4025B1100	Rp 1"	63	100	24	165	64	78	116.5	47.5	4
VEN4025B1200		63	100	24	165	64	78	116.5	47.5	
VEN4032B1100	Rp 1 1/4"	85	150	33	230	75.5	104	174.5	64	
VEN4032B1200		85	150	33	230	75.5	104	174.5	64	
VEN4040B1100	Rp 1 1/2"	85	150	33	230	75.5	104	174.5	64	
VEN4040B1200		85	150	33	230	75.5	104	174.5	64	
VEN4050B1100	Rp 2"	95	170	40	249	79.5	129	194	78	6
VEN4050B1200		95	170	40	249	79.5	129	194	78	
VEN4065B1100	Rp 2 1/2"	115	240	90	343	90	188	278	110	
VEN4065B1200		115	240	90	343	90	188	278	110	
VEN4080B1100	Rp 3"	130	240	90	343	98	188	278	110	
VEN4080B1200		130	240	90	343	98	188	278	110	